



## Tesselation 17 (F)

"No BATT, No AlOx, Jamb-Peg Only, Final Destination"

Suite: Tesselation Party!

by Arya Akhavan (October 2012)

Angles for R.I. = 1.540

45 + 12 girdles = 57 facets

4-fold radial symmetry

96 index

L/W = 1.000 T/W = 0.378 U/W = 0.378

P/W = 0.472 C/W = 0.158

Vol./W<sup>3</sup> = 0.233

### PAVILION

P1	44.78°	96-24-48-72	Cut to centerpoint.
P2	42.80°	09-33-57-81	Meet at culet.
P3	42.57°	15-39-63-87	Meet at culet.
G1	90.00°	96-24-48-72	Set stone size.
G2	90.00°	09-33-57-81	Level girdle.
G3	90.00°	15-39-63-87	Level girdle.
P4	41.57°	03-27-51-75	Meet P1, P2, G1, G2
P5	41.00°	96-24-48-72	Meet at culet.

### CROWN

C1	52.87°	96-24-48-72	Set girdle width.
C2	25.40°	09-33-57-81	Level girdle.
C3	27.12°	15-39-63-87	Level girdle.
C4	22.94°	07-31-55-79	Meet G1, G2, C1, C2
C5	18.92°	16-40-64-88	Meet C1, C3, C4
C6	16.57°	13-37-61-85	Meet C2, C3, C4, C5
T	0.00°	Table	Meet C4, C5, C6

This particular variant on F didn't quite work out - you can't get perfect squares on any available indices. The reflection pattern on this one is interesting and unique, and it's the first time I've used facets that meet only at the culet. Works in materials from quartz to rutile (RI = 1.52 = 2.62) with no changes, but I prefer chrysoberyl.

Suggested size = 6-10 mm

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